

# WeatherBug Safety Solutions In Action

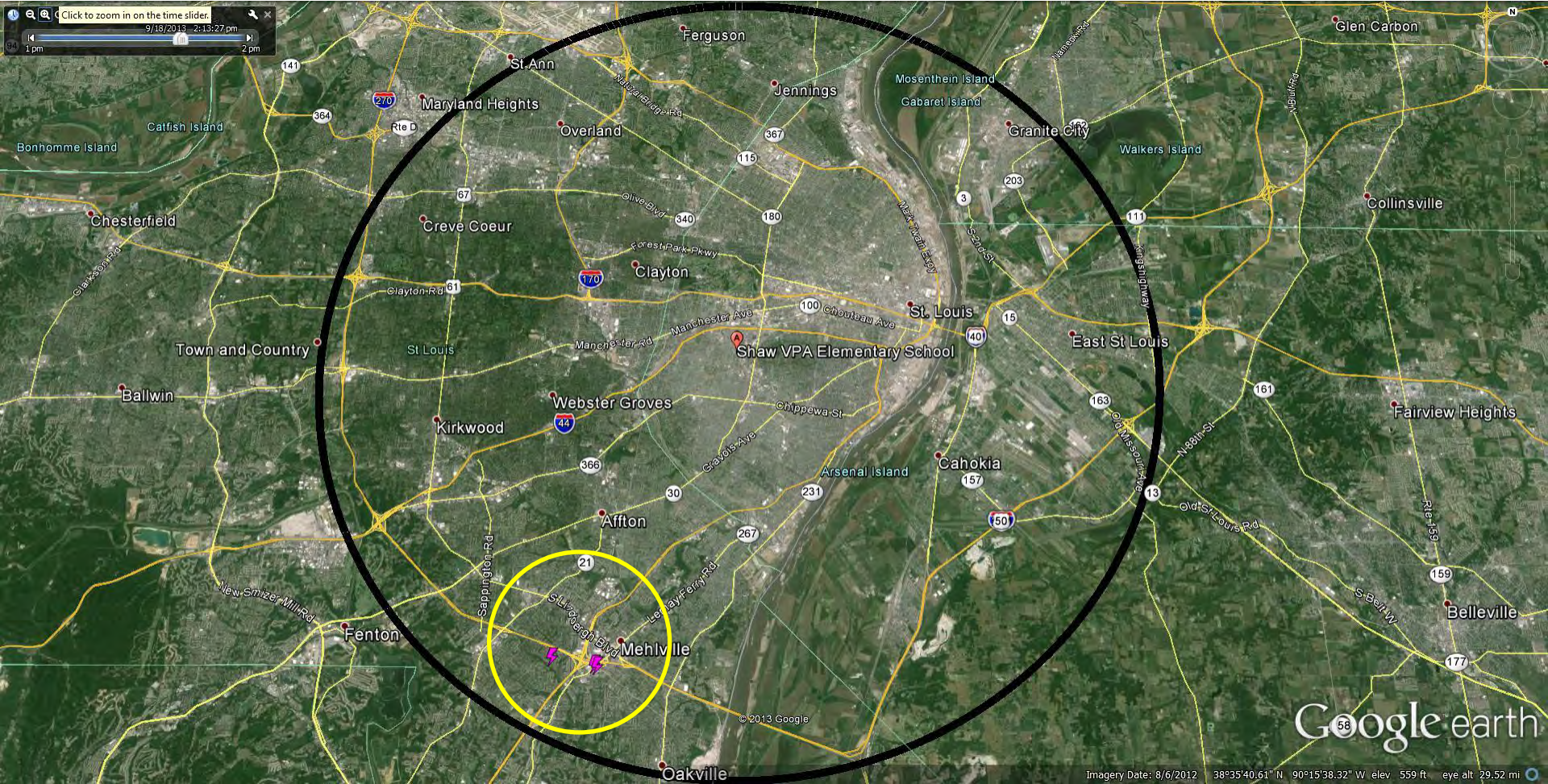
- WHAT** Two teachers injured after lightning hits nearby tree.
- WHERE** Shaw Visual and Performing Arts School, St. Louis, MO
- WHEN:** Wednesday, September 18, 2013

**OUR ADVANCED ALERT:** 1 hour and 23 minutes



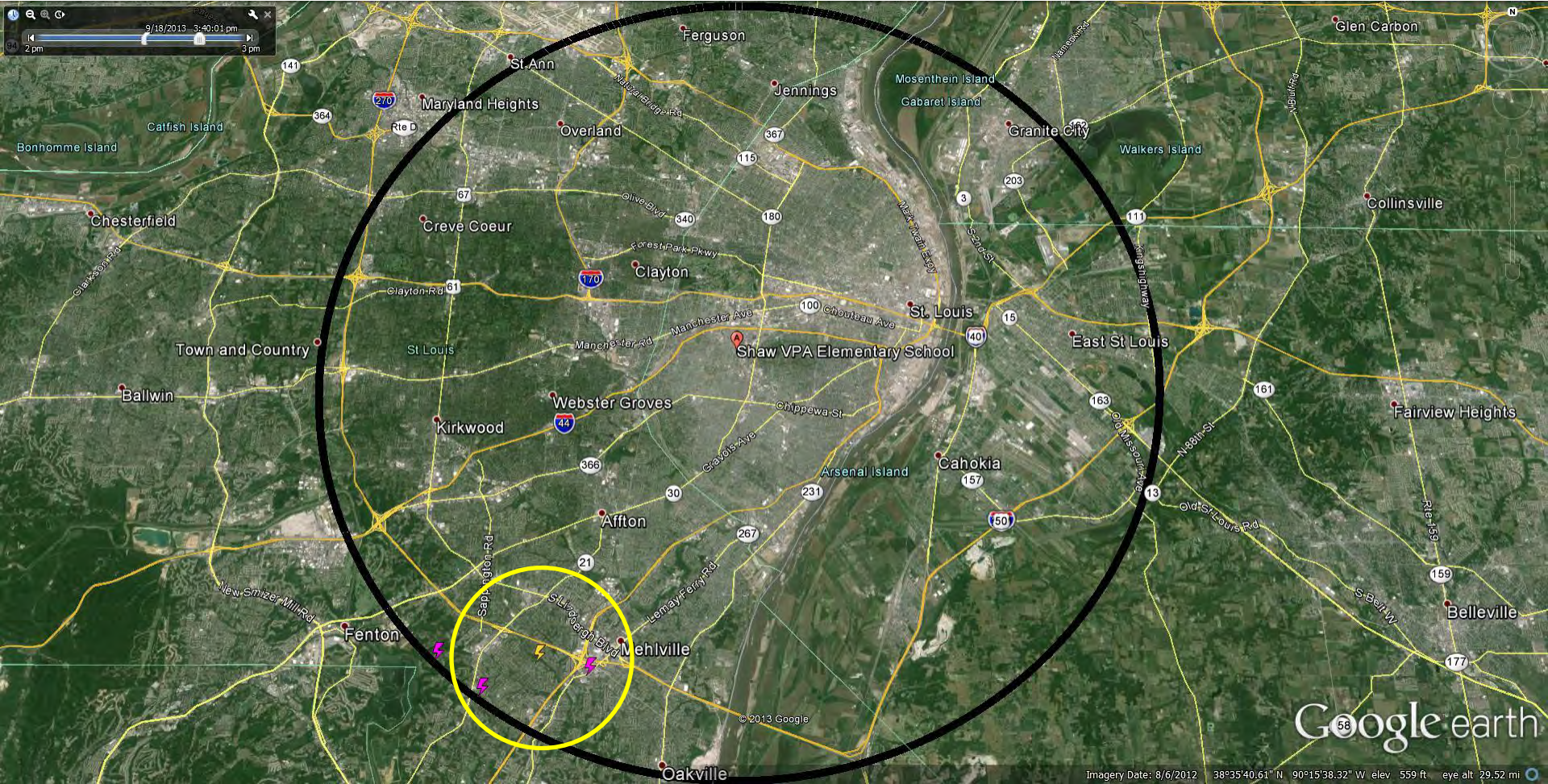
**1 hour and 23 minutes prior to strike**

3:10 PM CDT– In-cloud (magenta) lightning is detected within a 10-mile radius around the school.



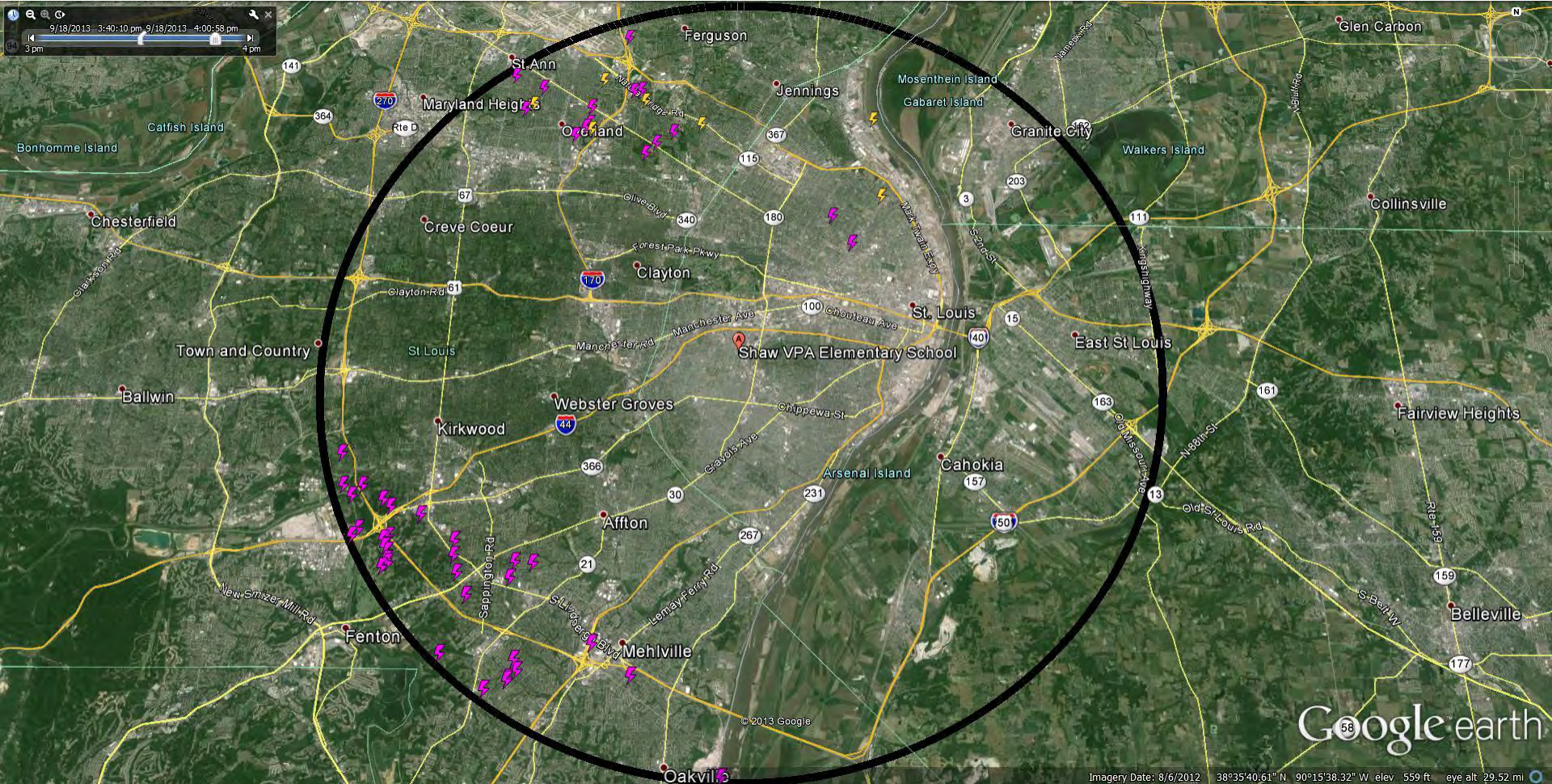
Approximately 1 hour prior to strike

3:25 – 3:40 PM CDT – The WeatherBug Network detects in-cloud lightning and the first cloud-to-ground (yellow) strike within 10 miles of the school.



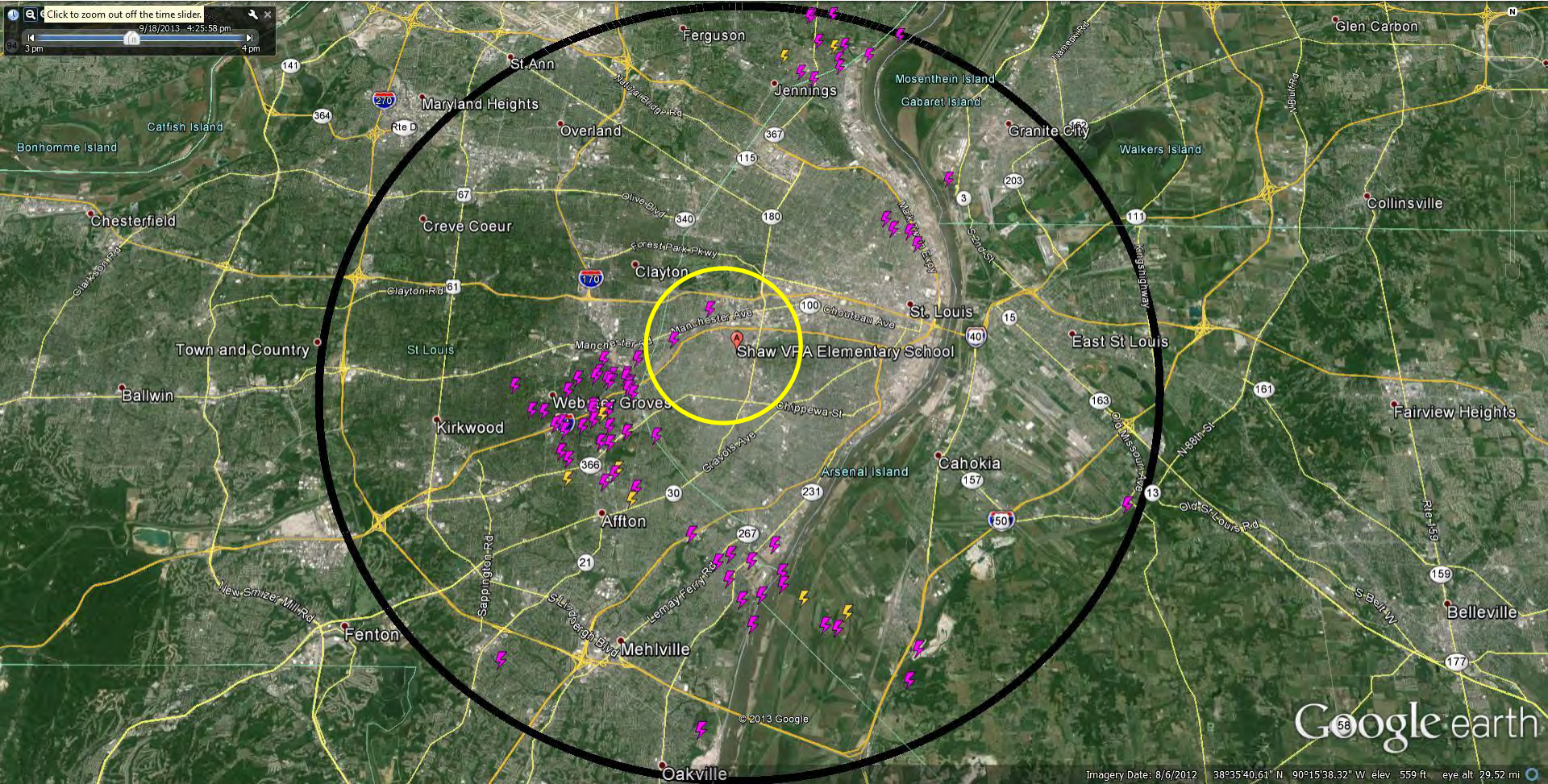
**33 – 53 minutes prior to strike**

3:40 – 4:00 PM CDT– In-cloud and cloud-to-ground lightning builds north and southwest of the school.



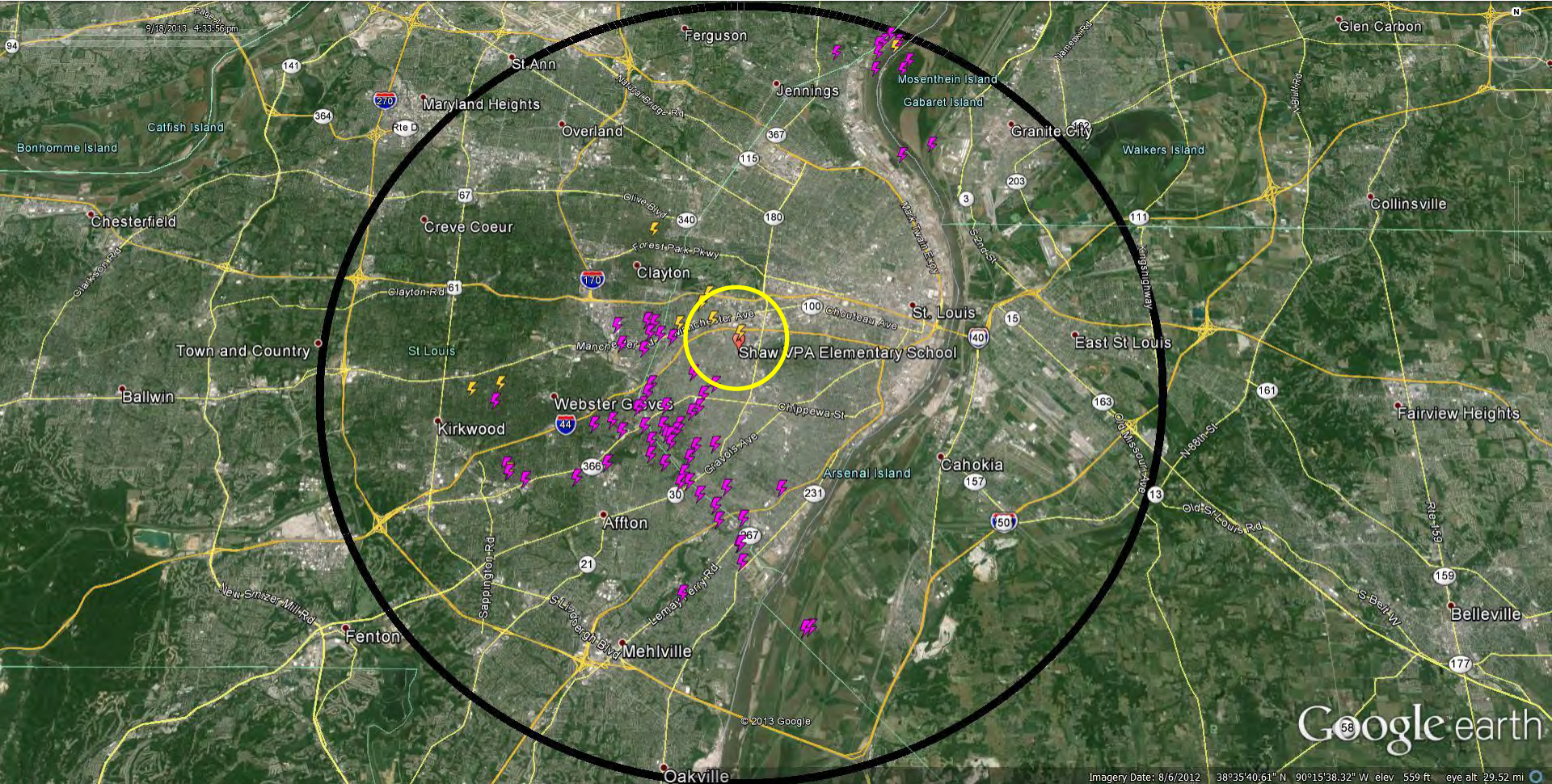
**8 minutes prior to strike**

4:25 PM CDT– In-cloud and cloud-to-ground lightning moves closer to school – approximately 1 mile away.



**CLOUD-TO-GROUND LIGHTNING STRIKES SCHOOL GROUNDS**

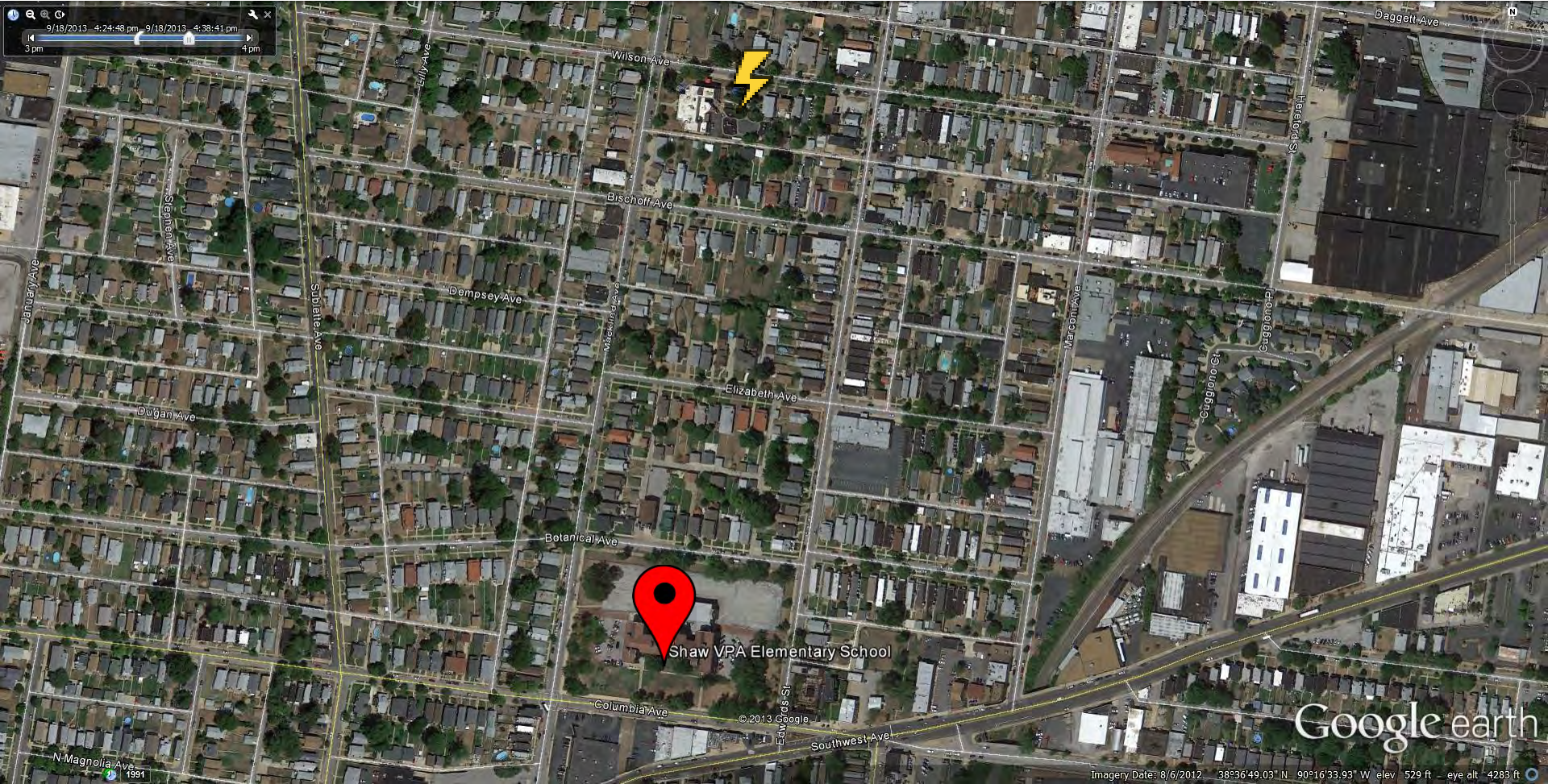
4:33:40 PM CDT– A cloud-to-ground lightning strike hits a tree on school grounds and shocks teachers. Luckily, no one was seriously injured.



There were no NWS alerts associated with this event.

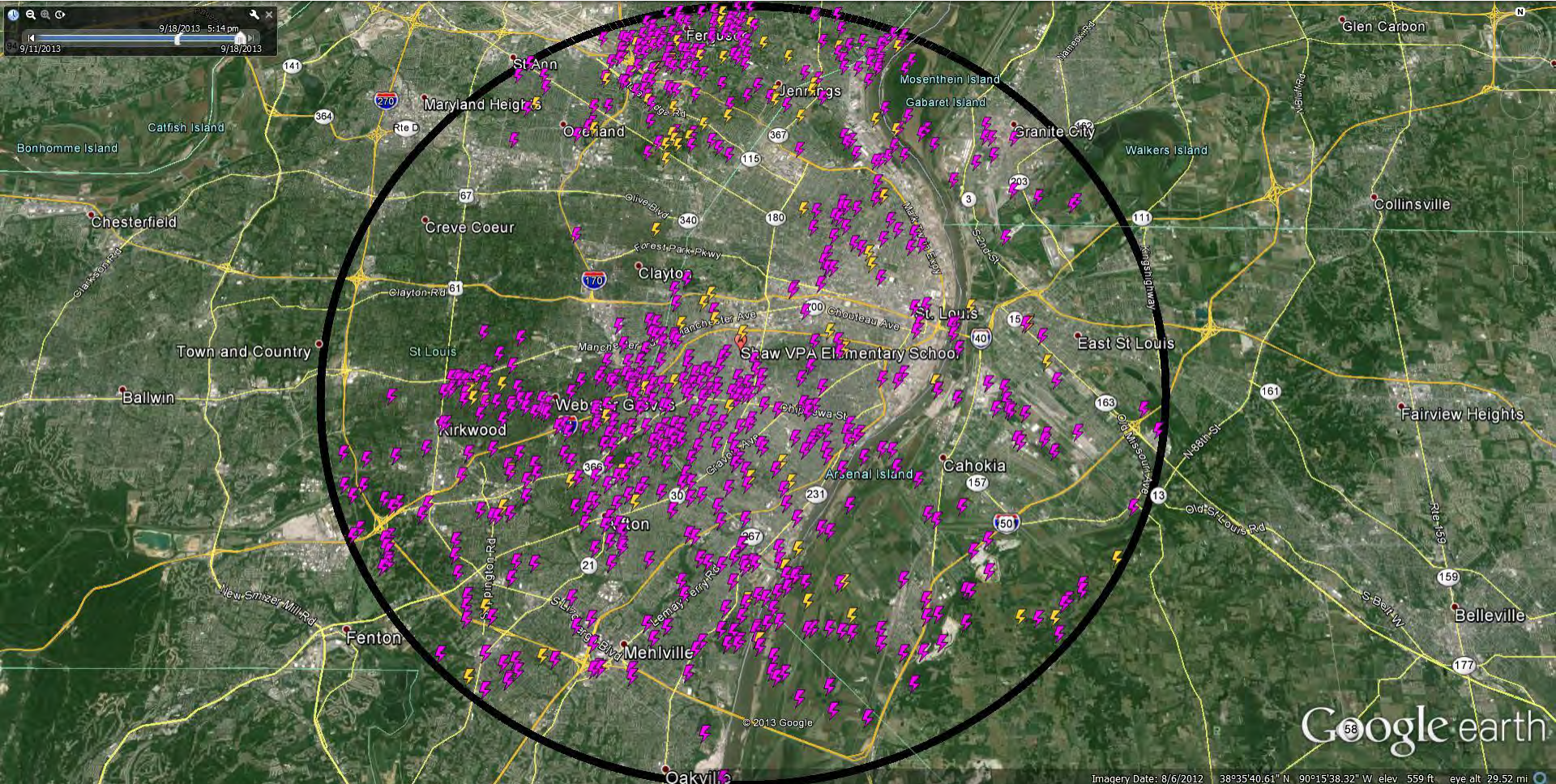
**CLOUD-TO-GROUND LIGHTNING STRIKES SCHOOL GROUNDS**

4:33:40 PM CDT– Close-up view: a cloud-to-ground lightning strike detected hits a tree on school grounds and shocks teachers. No one was seriously injured.



There were no NWS alerts associated with this event.

## Total Lightning for the event.



There were no NWS alerts associated with this event.





View News Report: <http://www.ksdk.com/news/article/398497/3/Two-teachers-shocked-after-lightning-hits-nearby-tree>

View more case studies:

<http://earthnetworks.com/IndustrySolutions/CaseStudies>

# This Event Demonstrates How Advanced Warning Can Help Save Lives



know before.<sup>SM</sup>

The vast majority of lightning stays in the sky and jumps from cloud-to-cloud. Meteorologists and climate scientists have long known that this in-cloud lightning is an early sign of impending severe weather – including dangerous and even deadly cloud-to-ground strikes that kill 50 people, on average, every year and injure far more.

Knowing that in-cloud lightning plays a key role in the formation and intensity of many kinds of extreme weather, we established [the world's largest and most advanced lightning sensor network](#). The sensors in our network continuously **monitor**, **calculate** and **report** where and when lightning strikes occur in the clouds or on the ground – what meteorologists call **total lightning**.

Our advanced technology based on state-of-the-art lightning sensors and networking technology now makes it possible for us to provide our customers with **peace of mind** when storms with lightning are in the area.

**On mobile:** WeatherBug's Spark is the only mobile tool delivering minute-by-minute, mile-by-mile lightning strike information for [Android devices](#), [iPhone](#) and [iPad](#).

**On PCs:** [StreamerRT](#) is the most comprehensive and user-friendly tool available to visualize live and forecast weather conditions at local, regional, national and international levels for critical decision-making.

**Outdoors:** [Outdoor mass notification system](#) for schools, parks, athletic facilities, stadiums and other outdoor venues where safety is a priority.